

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Olea europaea*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	1-ACETOXYPINORESINOL	Bark	--	--		
3	3,4-DIHYDROXYBENZOIC-ACID	Fruit	--	--		
1	3,4-DIHYDROXYPHENYLETHANOL	Fruit	--	--		
1	4-HYDROXYCINNAMIC-ACID	Fruit	--	--		
32	AESCULETIN	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
33	AESCULIN	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
32	ALPHA-TOCOPHEROL	Oil	119	119	-0.5245207178888289	
101	APIGENIN	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
20	BENZOIC-ACID	Fruit	--	--		
9	BETA-AMYRIN	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
53	BETA-CAROTENE	Fruit	1.8	8.3	-0.13475687867360414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	BORON	Fruit	1	4	-0.7233703732714263	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
102	CAFFEIC-ACID	Fruit	--	--		
28	CALCIUM	Leaf	11800	11800	-0.4535029254940107	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Fruit	610	2798	-0.24421056645985023	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	CATECHIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	CATECHOL	Fruit	--	--		
20	CHOLINE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CHRYSOERIOL-7-O-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	CINCHONIDINE	Leaf	--	--		
7	CINCHONINE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
18	CINNAMIC-ACID	Fruit	--	--		
1	CYANIDIN-3-RUTINOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	ELENOLIC-ACID	Leaf	--	--		
1	ELENOLIDE	Fruit	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	ESCULETIN	Stem	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
29	ESCULIN	Stem	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
8	ESTRONE	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
15	FIBER	Fruit	13000	60000	-0.7707375947396303	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	177000	177000	0.1912434448814181	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Twig	289000	289000		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	FRUCTOSE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	GALACTOSE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
62	GALLIC-ACID	Fruit	--	--		
14	GAMMA-TOCOPHEROL	Oil	13	13	-1.2928436060535222	
7	GLUCOSE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Fruit	16	73	-0.237916857716136	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
27	LINOLEIC-ACID	Fruit	10500	28000	0.03963765431531594	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
78	LUTEOLIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	LUTEOLIN-4'-O-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	LUTEOLIN-7-O-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
18	MANNITOL	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	MASLINIC-ACID	Hull Husk	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	MASLINIC-ACID	Petiole	--	--		
6	MYRISTIC-ACID	Fruit	300	800	-0.23140306419865772	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	O-COUMARIC-ACID	Fruit	--	--		
64	OLEANOLIC-ACID	Petiole	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
64	OLEANOLIC-ACID	Hull Husk	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Fruit	122400	326400	2.0349289772973167	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	OLEOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
9	OLEUROPEIN	Leaf	--	--		
9	OLEUROPEIN	Plant	--	--		
25	P-COUMARIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	P-HYDROXY-BENZOIC-ACID	Fruit	--	--		
13	PALMITIC-ACID	Fruit	14250	38000	0.45131132359283294	
24	PECTIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Fruit	170	780	-0.7399085002470773	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	900	900	-0.7490946137893574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PHYLLOQUINONE	Oil	--	0.8	-0.009552934025986311	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Fruit	550	2523	-1.3619193802913852	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	PROTOCATECHUIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
176	QUERCETIN	Stem	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	QUERCETIN-3-O-RHAMNOSIDE	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
87	RUTIN	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
7	SALICYLATES	Fruit	3	13	-0.2994650063622243	
1	SODIUM	Fruit	24000	110092	10.255949931659968	
10	SQUALENE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Fruit	2100	5600	0.09215947418510027	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	SYRINGIC-ACID	Fruit	--	--		
1	TYROSOL	Fruit	--	--		

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6	UVAOL	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
24	VANILLIC-ACID	Fruit	--	--		
20	VERBASCOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.